



# FEEDLINE

BULLETIN OF THE CANTON AMATEUR RADIO CLUB  
Affiliated with the "American Radio Relay League"



April....1996

President - Dale Storey KB8LWP

Editor - John Sedlak N8WHH

Vice Pres - Roger Gray WA8AHK

E-Mail: johns@imperium.net (or)  
n8whh@ka8ahf.#neoh.oh.usa.na

Secy - Sandra Day N8TZB

Treasurer - Larry Schmader K8RMY

## Trustees

Dave Beltz WD8AYE

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Jerry Shrigley KA8AHF

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The C.A.R.C. meets the third Wednesday of the month at 7:30 PM.

The next meeting is *April 17th*, at the **EMERGENCY PREPAREDNESS CENTER!**

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## Tornado Drill Results

The week of March 17th through the 23rd was Tornado and Flood Safety Awareness Week. Stark County participated in the tornado drill held on March the 20th at 1:10pm. Denny, N8RNM was net control, and during the 17 minute net, took in a total of 51 check-ins. We would like to thank everyone who took a few minutes out of their busy day to check in. Stark County had a very good showing by comparison and we should be proud of our participation.



## C.A.R.C. Minutes From March 20, 1996

The regular meeting of the Canton Amateur Radio Club was called to order by President Dale, KB8LWP at 7:30pm. A round of introductions followed with 30 members and 2 guests in attendance.

**Secretary's Report:** Sandra, N8TZB, reported that there were no additions or corrections to the February minutes and a motion was made and passed to accept the minutes as published.

**Treasurer's Report:** Larry, K8RMY, reported a balance of \$1095 is in the treasury demand account. A motion was made and passed to accept the treasurer's report.

**Old Business:** None.

**New Business:** Dave, WD8AYE, reported that the tornado drill held on Wednesday March 20, at 1:10pm went real well with Stark County having around 50 check in's, out doing all the other counties. Dave also reported that Wayne, Holmes and Stark County are now considered South Central when reporting during a weather net.

Julius, KD8XD, reported that Paul Kiehl, NM8Q, has a quad antenna free if you take it down. It covers 20, 15 and 10 meters. Anyone interested please contact Paul or Julius for more information.

Sandra, N8TZB, reported that a letter was received from Rod Bricker, KA8MWZ, with equipment for sale. All in excellent condition, a TH77A KENWOOD 144, 440 TRANSCEIVER, FT 5200 YEASU 2 METER AND 70 CENTIMETER MOBILE TRANSCEIVER, KG2-70 LARSON GLASS MOUNT ANTENNA, A REALISTIC PRO 37 PROGRAMMABLE SCANNER,

Sandra also reported that a flier was received from the Goodyear Amateur Radio Club, which will be June 9th at Wingfoot.

Sandra also reported she does not have the sustaining membership cards yet so if you are waiting for your sustaining membership card please continue to wait until we get these from the printer and made out.

Roger, WA8AHK reported that next month W8XY, Greg Miller, will be doing a program on Field Day.

Ron, KA8FTP, reported that he has been carrying on the K8JZN Mutual Aid Net on Sundays and he is trying to get the net signed up with 10/10 international. What he needs for this are members that have a paid membership with 10/10 currently, only about 7 or so more is needed. He has information for anyone that is interested and some information will be added to the Feedline newsletter.

Roger, WA8AHK, suggested that the voice portion on 10 meters be moved to the novice/tech plus portion of the band.

Ron also stated that he needs more net control people to help out on the different bands and modes. Anyone interested contact Ron, KA8FTP.

A round of applause followed for Ron and the great job he is doing.



***Kens Report:*** As always, Ken, W8EK, gave a very informative report.

John, N8WHH, reported that the club sent a check for a diamond antenna that will cover 6 meters, 2 meters and 70 centimeters and a triplexer. It should arrive sometime the middle of next week and soon after that there will be an antenna party at the EOC. 6 meters should be up and running in 30 days.

John also reported on a fox hunt sponsored by the CARC to be held May 4th at 1 pm. Look for further information in the Feedline newsletter.

Dave, WD8AYE, reported that April 10th, 7:00 at Stark Tech there will be a Tornado Spotter Training course. In order to get a spotter number you must attend this training.

Roger, WA8AHK, reported that there is a need for someone to make the satellite contacts for field day since Rich has moved. Anyone interested contact Roger, WA8AHK.

Sandra, N8TZB, introduced the evenings program, Tim Settles, the new Director of Disaster Services for the American Red Cross.

A motion was passed to adjourn the meeting for donuts, coffee and good conversation.

### ***SAFETY BREAK: MAY 31st, JUNE 1st, 2nd & 3rd***

I just received word that the weekend of May 31st through June 3rd is now ours to hold a safety break. That gives us some time to get things set up and ready and also time for volunteers to sign up for their times. I will have sign up sheets for volunteers to man the trailer and also for cookie donations available at the next club meeting. Anyone wishing to sign up for their favorite time early, or if you know you won't be at the next meeting can call Sandy, KB8FZX anytime at 492-7785.

This is an important fund raiser for the club and it's a lot of fun too! Just ask anyone who has volunteered in the past. In order for this to run continuously, a total of 25 volunteers are needed to man the trailer in 6 hour sessions for the entire weekend. It may sound like a long session but I've found that people show up early and stay over because it's a lot of fun and the time goes quickly. Those who aren't able to give their time can help support the club by donating cookies. Also anyone wishing to help on committee or if you have some good ideas that will be of help to us or if you just want more information can call Sandy, KB8FZX anytime at 492-7785.

### ***Dayton Hamvention***

Just a quick reminder..... The Dayton Hamvention, the granddaddy of all hamfests, is the weekend of May 17, 18, 19. Due to the later date this year, let's hope for good weather! Hope to see you there!



## **Items For Sale**

Al, KF8LZ has the following items for sale. All are top notch and in good working order.

50' Hygain base loaded antenna tower, covers 10-80 meters, with tilt over feature. 50' tapered Dover tower with 24" base, Ham-4 rotor, 4 element 20 meter beam, 3 element 15 meter beam. Diamond VHF/UHF dual band antenna. Yeasu FT-1000 with filters. AL-82 amp, up to 2kw output. MFJ-5 3kw antenna tuner. 9913 coax for all antennas.

Interested parties, contact Al @ 875-8525.

## **Foxhunt**

The C.A.R.C. will be sponsoring a foxhunt on Saturday, May 11th at 1:00 pm. The fox will be localized to the greater Stark County area and will be transmitting on a 2 meter frequency. First prize will be \$25.00 cash. In order to make it fair for everyone, doppler units will not be allowed. Final details of the hunt will be given via the DVR on the 147.120 repeater a week or so before the hunt. Hope to see you there!

## **Little Ohio Spring Tour**

The Stark County Bicycle Club will be conducting their spring bike ride on Saturday, May 4th. They will be needing about a dozen people to help out and provide communication for their SAG vehicles and several rest stops. If you have a mag mount antenna and an HT, and can help these nice folks out, contact Terry Russ N8ATZ at 837-3091. Terry will be coordinating this event and would welcome your call.

## **Weather Stations**

I recently came in contact with Bob, N8QNJ through a Skywarn meeting in Cleveland. Bob and his father are distributors of DAVIS Weather Station equipment, and have given our club several copies of their product catalog and special pricing for anyone involved in Skywarn. The DAVIS equipment appears to be a quality value, from the basic units, to top of the line. With Skywarn season right around the corner, this would make a valuable addition to your shack. If you want a copy of their catalog and price sheet, contact Bob, N8QNJ @ 745-8365 in the Akron area.

## **K8JZN Stark County Mutual Aid Net**

As many of you know, Ron KA8FTP has taken over as net control for the Sunday morning net. In the interest of trying to get more participation, he is thinking of moving the 10 meter portion of the net to a lower frequency so that it would be in the novice/tech+ portion of the band. Ron would like your comments or suggestions on this topic. Please contact Ron @ 456-0152.



## **April's Club Program**

Greg, W8XY will be our guest speaker at this months meeting. Greg will be talking about his field day experiences and give a slide show that should prove to be quite interesting. Also, time permitting, we will be talking about DF'ing techniques. Some of these ideas can be used for the upcoming foxhunt! Hope to see you at the meeting!

## **Skywarn Spotter Training**

Just a reminder of the Skywarn spotter training conducted by the National Weather Service on Wednesday, April the 10th at 7:00pm in the main auditorium of the Stark Technical College. The training will be conducted by the Cleveland bureau and should be very informative.

## **Skywarn Spotters Guides**

Enclosed with this months Feedline, you should have received a Stark County Spotters Guide. This guide will help explain the skywarn program and our involvement here in Stark County. If you did not receive a copy of this guide or if you have questions or comments, please call John, N8WHH @ 966-0467.

## **Skywarn Spotter Numbers**

Anyone who has attended a skywarn spotters training session has received a spotter number assigned by the National Weather Service. Originally these numbers were assigned by the Akron/Canton bureau, however since the close of that office last year, new numbers had to be assigned by the Cleveland bureau. Some people have the new numbers, some don't. You are encouraged to update your spotter number through the Cleveland bureau if you have an old one, or if you have moved. You can contact the National Weather Service for an updated spotter number at the following address:

National Weather Service  
Federal Facilities Bldg.  
Cleveland Hopkins Airport  
Cleveland, OH 44135

## **Printing Services**

"No call" Mike Parks is taking a stab at the printing business. Keep him in mind for your printing needs.

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**Parks Printing Service**  
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# BOB SIMPLETON'S GUIDE TO QUARTER WAVE ANTENNAS

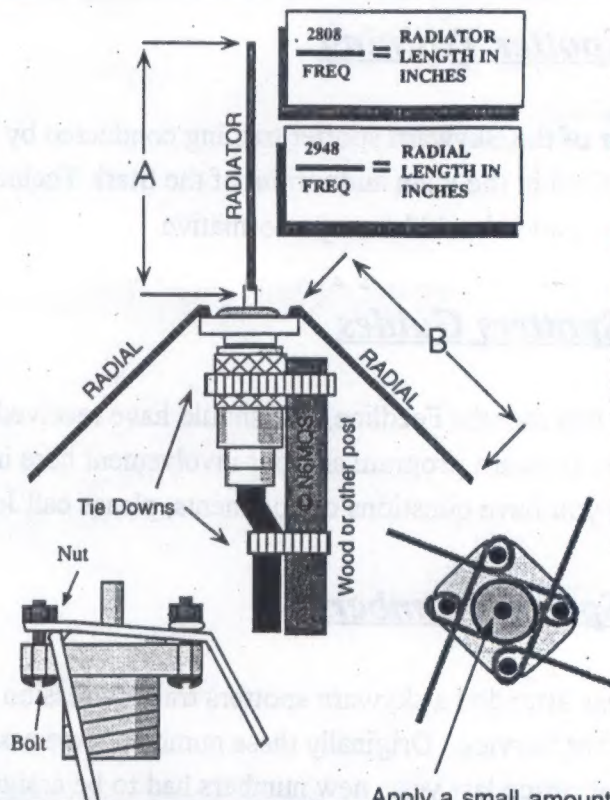
brought to you by  
**Amateur  
Radio  
Trader**

One of the simplest antennas you can build is a quarterwave ground plane antenna. It is small in size and is inexpensive.

The only part you will need to buy is an SO-239 panel mount connector. You can use an old wire hanger for the radiator and radials.

You will need to use your soldering iron or gun to attach the Radiator to the center post of the SO-239. File any paint or coating from the radiator wire before soldering. Cut the radiator to the proper length before soldering it. If you can find a short copper tube to help secure the radiator to the SO-239, your antenna will stand up to high winds.

The radials may be soldered or attached with screws. Screws are the easier method if you take the time to overlap them as shown in the diagram. Cutting the radials may be done after the construction is complete.



Apply a small amount of sealant around the center pin to prevent water from entering the connector.

## FREQUENCY CUTTING CHART

RADIATOR FREQ	RADIALS	
28.1	99.93	104.93
28.2	99.57	104.55
28.3	99.22	104.18
28.4	98.87	103.82
28.5	98.53	103.45
28.6	98.18	103.09
28.7	97.84	102.73
28.8	97.50	102.38
28.9	97.16	102.02
29.0	96.83	101.67
29.1	96.49	101.32
29.2	96.16	100.97
29.3	95.84	100.63
29.4	95.51	100.29
29.5	95.19	99.95
29.6	94.86	99.61
29.7	94.55	99.27
29.8	94.23	98.94
29.9	93.91	98.61
50.0	56.16	58.97
50.5	55.60	58.38
51.0	55.06	57.81
51.5	54.52	57.25
52.0	54.00	56.70
52.5	53.49	56.16
53.0	52.98	55.63
53.5	52.49	55.11
54.0	52.00	54.60

RADIATOR FREQ	RADIALS	
144.0	19.50	20.48
144.5	19.43	20.40
145.0	19.37	20.33
145.5	19.30	20.26
146.0	19.23	20.19
146.5	19.17	20.13
147.0	19.10	20.06
147.5	19.04	19.99
148.0	18.97	19.92
220.0	12.76	13.40
220.5	12.73	13.37
221.0	12.71	13.34
221.5	12.68	13.31
222.0	12.65	13.28
222.5	12.62	13.25
223.0	12.59	13.22
223.5	12.56	13.19
224.0	12.54	13.16

RADIATOR FREQ	RADIALS	
423.0	6.64	6.97
424.0	6.62	6.95
425.0	6.61	6.94
426.0	6.59	6.92
427.0	6.58	6.90
428.0	6.56	6.89
429.0	6.55	6.87
430.0	6.53	6.86
431.0	6.52	6.84
432.0	6.50	6.83
433.0	6.48	6.81
434.0	6.47	6.79
435.0	6.46	6.78
436.0	6.44	6.76
437.0	6.43	6.75
438.0	6.41	6.73
439.0	6.40	6.72
440.0	6.38	6.70
441.0	6.37	6.69
442.0	6.35	6.67
443.0	6.34	6.66
444.0	6.32	6.64
445.0	6.31	6.63
446.0	6.30	6.61
447.0	6.28	6.60
448.0	6.27	6.58
449.0	6.25	6.57
450.0	6.24	6.55

## Facts about Rubber Ducks

The rubber duck antenna on your handheld is not a very efficient antenna. The typical 2 meter rubber duck has a 5dB loss. If you have a 3 watt radio, your rubber duck will only radiate less than 1 watt!! A quarterwave antenna has 0 db loss and will allow all 3 watts to be radiated!!





# May 1996

## Dayton Hamvention May 17, 18 & 19



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div> <div> April  S M T W T F S  1 2 3 4 5 6  7 8 9 10 11 12 13  14 15 16 17 18 19 20  21 22 23 24 25 26 27  28 29 30 </div> <div> June  S M T W T F S  2 3 4 5 6 7 8  9 10 11 12 13 14 15  16 17 18 19 20 21 22  23 24 25 26 27 28 29  30 </div> </div>			1	2 7:30 PM QCWA (Chapter 21) Net, 146.79- Meeting Alliance ARC Meeting Tusco ARC WB8SK BD	3 8:00 PM Meeting Massillon ARC, Senior Citizen Center, Massillon	4 Fox Hunt N8WHH KF2AA BD
5 Stark County Mutual Aid Net PACKET, RTTY CW, FM, & SSB Cinco de Mayo	6 Sloppy First CW Net, every Monday thru Friday at 9 PM on 28.138 MHz	7 7:00 PM Stark County ARES Net 147.12+ 7:30 PM Swap Net, 147.015+ 8:30 PM CW Net 28.090 MHz	8	9 7:30 PM GARC Meeting, Goodyear Hall 7:30 PM QCWA (Chapter 21) Net, 146.79- WA8AHK BD	10	11 1:00 PM Ham Exams, Akron U. Ken 972-7677 N8WNX BD N8VGY BD
12 Stark County Mutual Aid Net PACKET, RTTY CW, FM, & SSB Hamfest, M2M ARC, Medina 147.03+ Mother's Day	13 7:00 PM Trustees Meeting, Canton ARC. Emerg. Prep Center	14 7:00 PM Stark County ARES Net 147.12+ 7:30 PM Swap Net, 147.015+ 8:30 PM CW Net 28.090 MHz	15 7:30 PM Canton ARC Meeting at Emerg. Prep. Center Rte 62	16 7:30 PM QCWA (Chapter 21) Net, 146.79- Ascension Day	17 N8MAA BD Hamvention, Hara Arena, Dayton	18  Armed Forces Day Hamvention, Hara Arena, Dayton
19 Stark County Mutual Aid Net PACKET, RTTY CW, FM, & SSB Hamvention, Hara Arena, Dayton K8RMY BD	20	21 7:00 PM Stark County ARES Net 147.12+ 7:30 PM Swap Net, 147.015+ 8:30 PM CW Net 28.090 MHz	22	23 7:30 PM QCWA (Chapter 21) Net, 146.79-	24 KA8Z BD	25 8:00 AM Ham Exams, Canton Emerg. Prep. Center Gary 837-2927 N8KNW BD
26 Stark County Mutual Aid Net PACKET, RTTY CW, FM, & SSB Hamfest 20/9 ARC, Canfield (Fairgrds) Ohio Pentecost	27 Memorial Day (Observed) N8KJA BD N8PII BD	28 7:00 PM ARES Net 147.12+ 7:30 PM Swap Net, 147.015+ 8:30 PM CW Net 28.090 MHz KB2JCQ BD WB8HHP BD WD8OCL BD	29	30 7:30 PM QCWA (Chapter 21) Net, 146.79-	31 Sloppy First CW Net, every Monday thru Friday at 9 PM on 28.138 MHz	

CONTACT BOB N8AHJ VIA (216) 724-9749 OR MAIL - TO PUT DATA ON CALENDAR